1998 WE&T EDITORIAL INDEX

A

Activated sludge
- Automatic waste control — 10(8):63-64

Aeration
- Blower system control — 10(8):59-62

Agricultural wastes
- Agencies offer solutions for animal feeding operations — 10(12):6
- Biofilter for waste management — 10(11):78
- Oklahoma requires operating licenses — 10(5):24
- Stricter regulations — 10(5):22-26
- Treatment system could support tropical fish — 10(10):24-25

Agriculture, organic
- Pennsylvania's nutrient management act — 10(2):34-36
- Rule could exclude biosolids from organic crops — 10(1):6

Air pollution
- Air pollutants harm U.S. waters — 10(2):26-28

Alm, Kenton L.
- The benefits of dispute review boards — 10(12):96

Ammerman, David K.
- Water reuse gaining popularity — 10(5):67-72

Anderson, Jim
- Measuring metals — 10(8):65-70

Arakaki, Greg
- San Diego (Calif.) tests sludge screen — 10(12):63-67

Asahina, Audrey
- Piloting ultraviolet disinfection (Honolulu, Hawaii) — 10(6):47-51

Atkins, Richard S.
- Risk management planning deadline approaching — 10(12):17

B

Bagwell, Steve
- 1998 Congress unlikely to act — 10(1):11-13

Bazel, Lawrence S.
- New TMDL process developing — 10(2):88

Bills, Gerald L.
- Site-specific data reduces regulatory burden — 10(7):63-65

Biosolids and solids management
- Biosolids delegation changes expected — 10(1):6
- Biosolids management regulations streamlined — 10(11):14
- Brownfields cleanup — 10(5):51-53
- Cost reduction technologies — 10(8):86
- Evaluating high-speed centrifuges — 10(10):32–38
- Incinerator reduces cake to 95% solids — 10(11):34
- Long-term study confirms agricultural value — 10(9):38–42
- New Hampshire rules — 10(9):18
- Recycle streams overview — 10(10):47–52
- Rubin looks at awareness, future — 10(5):55-57
- San Diego (Calif.) tests sludge screen — 10(12):63-67
- Use and disposal rule — 10(8):8
- Using biosolids in cement manufacturing — 10(5):44-49
- Waste-activated sludge thickening (East Bay Municipal Utility District)— 10(10):41–44

Blankenship, Linda
- Benchmarking — 10(7):45-48

Borneman, Robert C.
- Treatment with wetlands(Jackson County, Miss.) — 10(1):34-38

Bouwer, Herman
- Effects of irrigating with treated effluent on groundwater — 10(9):115-118

Branson, Mo.
- Block and Hong phosphorus removal process — 10(9):97–101

Brant, William M.
- Combining SSO technologies with computer modeling (Miami–Dade)— 10(2):40-44

C

Canada
- Canadian approach less regulatory — 10(2):21-22
- Cooperative remediation underway (Thunder Bay Harbor) — 10(2):18-20

Chesapeake Bay
- Businesses work to improve watershed — 10(12):28-30
- *Cryptosporidium* in oysters — 10(7):12

Choi, Yearn Hong
- Seoul, South Korea, and Washington, D.C., struggle with sustainable development — 10(11):50–54

Clean Air Act
- Air pollutants harm U.S. waters — 10(2):26-28

Clean Water Act
- Costs, nonpoint sources top TMDL concerns — 10(2):36-39
- New initiatives for water quality — 10(1):6

Coasts
- EPA: No wastewater discharges from boats in Rhode Island, Massachusetts — 10(11):14

Collection systems
- ASCE grades infrastructure — 10(6):24-27
- Corrosion-resistant concrete — 10(6):26
- Cured-in-place pipe inversions (Chicago, Ill.) — 10(4):45-46
- Hydraulically driven vacuum system — 10(2):62
- Restoring manhole integrity (Montgomery, Ala.) — 10(10):53–56
- Shallow pipe burial and insulation for cold weather — 10(8):55-57

Combined sewer overflows
- EPA seeks better controls implementation — 10(9):34–36, 38

Compliance
- Government assurances — 10(3):80

Costs
- Conservation and infrastructure costs — 10(9):23

Coutermarsh, Barry A.
- Shallow pipe burial and insulation for cold weather — 10(8):55-57

Cushing, Bradford S.
- Limits of dredging in sediment removal — 10(6):61-66

D

Dacko, Bruce
- Diurnal sampling provides needed information (Las Vegas, Nev.) — 10(4):47-50

Daigger, Glen T.
- Recycle streams overview — 10(10):47–52

Digesters
- Comparing designs — 10(5):59-65

Disinfection
- Byproducts in tap water and miscarriages — 10(4):10
- Emerging technologies — 10(6):40-44
- Golf course uses ultraviolet disinfection (Georgia) — 10(2):62
- Piloting ultraviolet disinfection (Honolulu, Hawaii) — 10(6):47-51

Distin, John
- Keeping mercury limits cost-effective — 10(11):104

E

East Bay Municipal Utility District
- Waste-activated sludge thickening — 10(10):41–44

Ecology
- Bermuda coral reefs rebound — 10(3):13

Ecosystem
- Swamp eel threatens Florida waters — 10(9):24

Ekster, Alex
- Automatic waste control for activated sludge — 10(8):63-64

Electric power
- Deregulation savings in question — 10(5):6
- Wastewater byproduct generates electricity — 10(1):16-20

Endangered Species Act
- Pact would streamline ESA consultations — 10(1):28-29

Enforcement
- Citizen suits decision — 10(5):96

1998 WE&T EDITORIAL INDEX

A

Activated sludge
- Automatic waste control — 10(8):63-64

Aeration
- Blower system control — 10(8):59-62

Agricultural wastes
- Agencies offer solutions for animal feeding operations — 10(12):6
- Biofilter for waste management — 10(11):78
- Oklahoma requires operating licenses — 10(5):24
- Stricter regulations — 10(5):22-26
- Treatment system could support tropical fish — 10(10):24-25

Agriculture, organic
- Pennsylvania's nutrient management act — 10(2):34-36
- Rule could exclude biosolids from organic crops — 10(1):6

Air pollution
- Air pollutants harm U.S. waters — 10(2):26-28

Alm, Kenton L.
- The benefits of dispute review boards — 10(12):96

Ammerman, David K.
- Water reuse gaining popularity — 10(5):67-72

Anderson, Jim
- Measuring metals — 10(8):65-70

Arakaki, Greg
- San Diego (Calif.) tests sludge screen — 10(12):63-67

Asahina, Audrey
- Piloting ultraviolet disinfection (Honolulu, Hawaii) — 10(6):47-51

Atkins, Richard S.
- Risk management planning deadline approaching — 10(12):17

B

Bagwell, Steve
- 1998 Congress unlikely to act — 10(1):11-13

Bazel, Lawrence S.
- New TMDL process developing — 10(2):88

Bills, Gerald L.
- Site-specific data reduces regulatory burden — 10(7):63-65

Biosolids and solids management
- Biosolids delegation changes expected — 10(1):6
- Biosolids management regulations streamlined — 10(11):14
- Brownfields cleanup — 10(5):51-53
- Cost reduction technologies — 10(8):86
- Evaluating high-speed centrifuges — 10(10):32–38
- Incinerator reduces cake to 95% solids — 10(11):34
- Long-term study confirms agricultural value — 10(9):38–42
- New Hampshire rules — 10(9):18
- Recycle streams overview — 10(10):47–52
- Rubin looks at awareness, future — 10(5):55-57
- San Diego (Calif.) tests sludge screen — 10(12):63-67
- Use and disposal rule — 10(8):8
- Using biosolids in cement manufacturing — 10(5):44-49
- Waste-activated sludge thickening (East Bay Municipal Utility District)— 10(10):41–44

Blankenship, Linda
- Benchmarking — 10(7):45-48

Borneman, Robert C.
- Treatment with wetlands(Jackson County, Miss.) — 10(1):34-38

Bouwer, Herman
- Effects of irrigating with treated effluent on groundwater — 10(9):115-118

Branson, Mo.
- Block and Hong phosphorus removal process — 10(9):97–101

Brant, William M.
- Combining SSO technologies with computer modeling (Miami–Dade)— 10(2):40-44

C

Canada
- Canadian approach less regulatory — 10(2):21-22
- Cooperative remediation underway (Thunder Bay Harbor) — 10(2):18-20

Chesapeake Bay
- Businesses work to improve watershed — 10(12):28-30
- *Cryptosporidium* in oysters — 10(7):12

Choi, Yearn Hong
- Seoul, South Korea, and Washington, D.C., struggle with sustainable development — 10(11):50–54

Clean Air Act
- Air pollutants harm U.S. waters — 10(2):26-28

Clean Water Act
- Costs, nonpoint sources top TMDL concerns — 10(2):36-39
- New initiatives for water quality — 10(1):6

Coasts
- EPA: No wastewater discharges from boats in Rhode Island, Massachusetts — 10(11):14

Collection systems
- ASCE grades infrastructure — 10(6):24-27
- Corrosion-resistant concrete — 10(6):26
- Cured-in-place pipe inversions (Chicago, Ill.) — 10(4):45-46
- Hydraulically driven vacuum system — 10(2):62
- Restoring manhole integrity (Montgomery, Ala.) — 10(10):53–56
- Shallow pipe burial and insulation for cold weather — 10(8):55-57

Combined sewer overflows
- EPA seeks better controls implementation — 10(9):34–36, 38

Compliance
- Government assurances — 10(3):80

Costs
- Conservation and infrastructure costs — 10(9):23

Coutermarsh, Barry A.
- Shallow pipe burial and insulation for cold weather — 10(8):55-57

Cushing, Bradford S.
- Limits of dredging in sediment removal — 10(6):61-66

D

Dacko, Bruce
- Diurnal sampling provides needed information (Las Vegas, Nev.) — 10(4):47-50

Daigger, Glen T.
- Recycle streams overview — 10(10):47–52

Digesters
- Comparing designs — 10(5):59-65

Disinfection
- Byproducts in tap water and miscarriages — 10(4):10
- Emerging technologies — 10(6):40-44
- Golf course uses ultraviolet disinfection (Georgia) — 10(2):62
- Piloting ultraviolet disinfection (Honolulu, Hawaii) — 10(6):47-51

Distin, John
- Keeping mercury limits cost-effective — 10(11):104

E

East Bay Municipal Utility District
- Waste-activated sludge thickening — 10(10):41–44

Ecology
- Bermuda coral reefs rebound — 10(3):13

Ecosystem
- Swamp eel threatens Florida waters — 10(9):24

Ekster, Alex
- Automatic waste control for activated sludge — 10(8):63-64

Electric power
- Deregulation savings in question — 10(5):6
- Wastewater byproduct generates electricity — 10(1):16-20

Endangered Species Act
- Pact would streamline ESA consultations — 10(1):28-29

Enforcement
- Citizen suits decision — 10(5):96

EPA seeks better combined sewer overflows control implementation — 10(9):34–36,38
Final supplemental environmental projects policy released — 10(7):6
Plaintiffs force compliance (Atlanta, Ga.) — 10(4):20-22
Records set in 1997 — 10(3):6
Environmental management systems
EPA support — 10(6):14
ISO 14001: pilot project tests management systems — 10(1):29-32
Environmental restoration
Army Corps of Engineers' record and public perception — 10(6):11
Estuaries
National program experience — 10(7):29-30
Oil drilling agreements (Florida) — 10(4):30-32
Everglades
Florida court rules all polluters liable — 10(3):15

F
Fabry, Karl
Sandbags and bypass pumping (Watertown, S.D.) — 10(4):40-41
Facility upgrade
Treatment with wetlands (Jackson County, Miss.) — 10(1):34- 38
Freeport, Texas, saves 75% using used equipment — 10(3):55–58
Flooding
Control efforts — 10(7):28-29
Sandbags and bypass pumping (Watertown, S.D.) — 10(4):40-41
Study could aid water resource managers — 10(1):55
Freedman, Paul
Regulations frustrate progress — 10(4):6
Frizzera, Dorina
Coastal management (New Jersey) — 10(7):57-61
Funding
$2.3 billion earmarked for watershed problems — 10(4):15
Budget request at $7.8 billion — 10(5):19
Congress continues to fund projects — 10(9):224
Coordinating research monies — 10(6):27-28
Funding for water infrastructure — 10(7):39-43
Independent companies provide funding — 10(3):6
Innovative and alternative grants — 10(4):64
Nebraska study ranks size and ability to pay — 10(11):19
Senate approves EPA budget — 10(10):8
State revolving funds and cross-collateralization — 10(6):28

G
Gabb, Donald M.D.
Waste-activated sludge thickening (East Bay Municipal Utility District)— 10(10):41–44
Gaseous emissions
Wastewater byproduct generates electricity — 10(1):16-20
Gaston, John M.
Safe Drinking Water and Clean Water acts conflict — 10(6):88
Giuliano, Laura
Diurnal sampling provides needed information (Las Vegas, Nev.) — 10(4):47-50
Great Lakes
Baltic Sea partnership — 10(9):15
Beyond-compliance programs — 10(11):63-68
Binational toxics strategy — 10(6):36-39
Canadian approach less regulatory — 10(2):21-22
Cooperative remediation underway (Thunder Bay Harbor) — 10(2):18-20
Mixing zones to stand — 10(7):6
Radionuclide monitoring — 10(6):12
Water quality agreement progress — 10(5):26-28
Green Bay Metropolitan Sewerage District
ISO 14001: pilot project tests management systems — 10(1):29-32
Groundwater
Denver District to treat Superfund site groundwater — 10(2):11
Effects of irrigating with treated effluent — 10(9):115-118
Runoff adversely affects groundwater (Georgia-Florida coastal plain)— 10(9):207
Site remediation market to grow — 10(3):12
Gupta, Kailash
Alternative chemical saves nearly 25% in phosphorus removal (Fairfax County, Va.) — 10(3):37-40

H
Hall, John C.
Privatization costs — 10(7):80
Harris, Gregory P.
Aeration blower system control — 10(8):59-62
Haynes, Clay
Tunneling project minimizes safety risk (Fort Worth, Texas)— 10(6):53-56
Hazardous wastes
Corrective action program — 10(4):32-33
Decontaminating TCE — 10(8):86
Effluent limits for hazardous waste combustors — 10(5):8
Heath, Gregory R.
Underflow baffles for floatables control — 10(2):45-48
Hill, Penny
Using biosolids in cement manufacturing — 10(5):44-49
Hirano, Robin
Oceanside (San Francisco, Calif.) plant overcomes grit overload — 10(11):55-58
Holmberg, Danny
Restoring manhole integrity (Montgomery, Ala.) — 10(10):53–56
Hunter, Gary L.
Emerging disinfection technologies — 10(6):40-44

I
Industrial water
EPA provides online compliance data — 10(9):46–50
Infiltration and inflow
Finding leaks in an aging collection system — 10(2):62
Infiltration backs up pumps (Lake Tapawingo, Mo.) — 10(11):59-61
Information systems
Managing information to improve business processes — 10(12):44–50
International
Doors opening in South America — 10(1):20-24
Nogales, Ariz., and Nogales, Mexico, develop long-term plan — 10(10):20-23
Seoul, South Korea, and Washington, D.C., struggle with sustainable development— 10(11):50–54
South Africa water law — 10(9):50–52
Wastewater reuse in Jordan — 10(11):44–48
Waterborne diseases threaten health — 10(9):54
Investment
Doors opening in South America — 10(1):20-24
Privatization costs — 10(7):80
Ireland, James S.
Evaluating high-speed centrifuges — 10(10):32–38

J
Job security
Career protection and advancement — 10(2):58-60

K
Kabouris, John C.
Managing information to improve business processes — 10(12):44–50
Kahn, Robert
Using biosolids in cement manufacturing — 10(5):44-49
Kalis, Michael P.
Infiltration backs up pumps (Lake Tapawingo, Mo.)— 10(11):59-61

Kansas
EPA disapproves water quality standards — 10(9):30–32
State commission says standards need review — 10(9):32–33
Katers, John F.
Effectiveness of a modified septic tank in nitrogen removal — 10(3):32-36
Kennedy, Kevin A.
Stress testing — 10(7):49-54
Krages, Bert
Government assurances — 10(3):80
Kubiak, David A.
Underflow baffles for floatables control — 10(2):45-48

L
Lagoons
New ammonia limits; recirculating sand filters evaluated (Jaffrey, N.H.) — 10(1):35, 39-40
Treatment with wetlands (Jackson County, Miss.) — 10(1): 34-38
Lake Tapawingo, Mo.
Infiltration backs up pumps (Lake Tapawingo, Mo.)— 10(11):59-61
Lakes
Muddy plume reappears in Lake Michigan — 10(1):55
Langer, Rodney
Emergency pipe bypass and pump station (Seattle, Wash.) — 10(4):34-39
Larson, Roberta L.
Citizen suits decision — 10(5):96
Las Vegas, Nev.
Diurnal sampling provides needed information — 10(4):47-50
Legal issues
Intervening in lawsuits — 10(8):104
The benefits of dispute review boards — 10(12):96
Legislation
1998 Congress unlikely to act — 10(1):11-13
Drought Policy Act — 10(11):15
Fishable Waters Act — 10(12):23-24
Forced privatization of POTWs (Georgia) — 10(8):19
Funding opportunities in Transportation Law — 10(12):6
Leo, Kathleen S.
Miami-Dade combines SSO technologies with computer modeling — 10(2):40-44
Liner, Barry
Benchmarking — 10(7):45-48
Linnett, Bob
Beyond-compliance programs — 10(11):63-68

M
MacDonald, Jacqueline A.
Strengthening cleanup markets — 10(1):44-49
Mahin, Thomas D.
Odor modeling using dilution-to-threshold levels — 10(1):49-53
Management
First interstate control authority reviews progress — 10(2):28-33
Collaborative decision making — 10(3):10
Mansour, Mohammad
Wastewater reuse in Jordan — 10(11):44–48
Market data
26% of firms close — 10(4):11
Regulations no longer drive demand — 10(8):20–21
Markowitz, Kenneth J.
Privatization costs — 10(7):80
Martel, C. James
Treatment in freezing temperatures — 10(8):50-53
Maryland
Old Superfund site to become golf course — 10(1):8
Massachusetts
Largest landfill closes — 10(1):9
McCarty, Glen
Communities form partnership to solve watershed problems — 10(2):55-57
Mercury
Control technology tested — 10(6):70
Keeping limits cost-effective — 10(11):104
Western Lake Superior Sanitary District shares its reduction plan — 10(3):17
Miller, Mark
Lightning and underwater instruments — 10(4):42-44
Modeling
Customized collection system software capabilities and costs — 10(12):51–56
Miami-Dade combines SSO technologies with computer modeling — 10(2):40-44
The BASINS model — 10(12):57–61
Monitoring
Coordinated federal, state, and local program (Puget Sound) — 10(7):36
Montgomery, Ala.
Restoring manhole integrity — 10(10):53–56
Moreland, Victor
Piloting ultraviolet disinfection (Honolulu, Hawaii) — 10(6):47-51

N
Narangansett Bay Commission
Evaluating high-speed centrifuges — 10(10):32–38
Natural resources
Lake Tahoe partnership — 10(8):30–34
Neethling, J.B.
Stress testing — 10(7):49-54
New Hampshire
ISO 14001: pilot project tests management systems — 10(1):29-32
Nitrogen
Plant enzyme and nitrate removal — 10(6):29-30
Nitrogen removal
Lab-scale test checks modified septic tank — 10(3):32–36
Nolasco, Daniel
Sequencing batch reactors — 10(9):91–95
Nonpoint sources
AMSA recommends legal binding contract for trades — 10(3):20
Costs, nonpoint sources are top TMDL concerns — 10(2):36-39
Draft management strategy — 10(4):8
Governors' group advocates states' rights — 10(11):24–26
"Orphan" site feasibility study — 10(11):38–42
Report details state laws — 10(3):20-22
North Carolina
ISO 14001: Pilot project tests management systems — 10(1):29-32
Noss, Charles
Alternative indicators of disease risks — 10(11):10
NPDES (National Pollutant Discharge Elimination System)
EPA revising NPDES program — 10(1):6
Pact would streamline ESA consultations — 10(1):28-29
Texas seeks sole authority — 10(4):12
Nutrients
Coral reef diseases increasing (Florida Bay) — 10(4):28-30
Gulf of Mexico dead zone growing — 10(4):8
Regional nutrient criteria — 10(9):15-16
Silver may trace nutrients — 10(8):86
Soil research frees trapped phosphorus — 10(5):32-30
Study goal is nutrient reduction (Gulf of Mexico) — 10(5):34-35

O
O'Brien, Walter J.
Emerging disinfection technologies — 10(6):40-44
Odor control
Odor modeling using dilution-to-threshold levels — 10(1):49- 53
Study examines modified control equipment — 10(3):47-52
Zero-maintenance gas sponge — 10(1):53
Ohio River
First interstate control authority reviews progress — 10(2):28-33
Orlando, Fla.
Reuse, reclaim, and recharge operations — 10(9):57–59
ORSANCO
First interstate control authority reviews progress — 10(2):28-33

P

Performance assessment
- Benchmarking — 10(7):45-48
- How QualServe works — 10(9):74
- QualServe continuous improvement program — 10(9):72–80
- Sequencing batch reactors — 10(9):91–95
- Stress testing — 10(7):49-54

Permits
- Site-specific data reduces regulatory burden — 10(7):63-65

Pfiesteria
- EPA funds algae, *pfiesteria* studies — 10(3):6
- Nutrient reduction may lower *pfiesteria* risk — 10(1):55
- One outbreak noted in 1998 — 10(12):26-28
- Organism interferes with learning process in rats — 10(3):67
- States to study health effects — 10(7):34-36

pH
- pH temperature corrections — 10(1):54

Phosphorus removal
- Alternative chemical saves nearly 25% (Fairfax County, Va.)— 10(3):37-40
- Block and Hong process (Branson, Mo.)— 10(9):97–101

Pisano, William C.
- German system may apply to stormwater control — 10(1):41-43

Pollution prevention
- Businesses work to improve Chesapeake Bay Watershed — 10(12):28-30
- Stormwater debris control device (Florida) — 10(1):53

Polychlorinated biphenyls
- Revision to criteria — 10(6):14

Pretreatment
- Agency to streamline requirements — 10(2):11
- Project XL proposals — 10(9):16-17
- System improves wastewater operations — 10(1):53

Privatization
- EPA develops guidance for POTWs — 10(10):23-24

Process design
- Oceanside (San Francisco, Calif.) plant overcomes grit overload — 10(11):55-58

Public education
- Outreach tools support combined sewer overflow water quality assessment — 10(9):103-107

Pulp and paper effluent management
- New rules eliminate chlorine — 10(1):6

R

Radioactivity
- Laundry decontaminates uniforms — 10(8):22–30
- Laundry pretreats wash water — 10(8):22
- POTWs to submit samples, surveys — 10(3):8
- Radionuclide monitoring (Great Lakes) — 10(6):12

Ralston, Douglas L.
- Unreasonable limits for heavy metals — 10(9):12

Rao, Suresh
- Markets for cleanup technologies — 10(1):44-49

Rates
- Water, wastewater rates surveyed — 10(8):14

Regulation
- Agencies offer solutions for animal feeding operations — 10(12):6
- Discharge guidelines for transportation equipment cleaning — 10(9):16
- Environmental rules easier in rural loan programs — 10(2):11
- EPA issues Year 2000 compliance warning — 10(12):6
- Financial burden increases for offshore oil spills — 10(12):31-32
- Innovation agreement approved — 10(7):10
- Input in National Water Quality Standards review — 10(3):24-26
- Limits on federal power — 10(1):72
- Measuring system may ease monitoring — 10(1):32
- Pretreatment program streamlining — 10(8):8
- Revision to PCB criteria — 10(6):14

Regulatory agencies
- Canadian approach less regulatory — 10(2):21-22
- EPA reforms reduce burdens — 10(3):30-31
- EPA, Baltimore end construction grant dispute — 10(12):9
- Seeking efficiency, improvements — 10(6):31-32

Rehabilitation
- Cured-in-place-pipe inversions (Chicago, Ill.) — 10(4):45-46
- Upgrade exceeds goals (Boone, N.C.) — 10(11):32–34

Reimold, Robert J.
- Determining the potential for permitting a project that may affect wetlands — 10(9):109-112

Remediation
- Cooperative remediation underway (Thunder Bay Harbor) — 10(2):18-20
- Markets for cleanup technologies — 10(1):44-49

Renewable energies
- Wastewater byproduct generates electricity — 10(1):6

Research
- Amphipods missing from Lake Michigan mud samples — 10(2):70
- Chemical reaction and removal of radioactive ions — 10(3):67
- Dissolved organic matter in oceans — 10(4):54
- Eliminating invasive species — 10(6):70
- Everglades map near completion — 10(3):67
- Forest runoff in Chesapeake Bay Watershed — 10(2):70
- Manure as a sealant — 10(10):25
- Marine bacteria to fight metal pollution — 10(2):70
- Muddy plume reappears in Lake Michigan — 10(1):55
- Platform mussels may clean up water — 10(12):18
- Pollutant effects on algae — 10(9):208
- Red tide and shellfish contamination — 10(4):54
- Riverside soil may be purifying agent — 10(10):12
- RNA and solids treatment — 10(4):54
- Salmon declines may be natural — 10(10):12
- Satellite sensors measure evapotranspiration — 10(11):79
- Sediment movement in streams — 10(9):207–208
- Sunlight can kill some frogs — 10(6):70
- Technique could eliminate toxics — 10(1):55
- Ulcer-causing bacteria found in surface water — 10(10):67

Risk
- Risk management planning deadline approaching — 10(12):17
- Risk management planning rule amendments — 10(7):6
- Risk management program guidance — 10(6):12
- Risk sharing for remediation technology — 10(7):6

Risk assessment
- Ecological guidelines released — 10(7):6

Rivkin Jr., David B.
- Limits on federal power — 10(1):72

Roecker, Donald F.
- How to get funding for water infrastructure — 10(7):39-43

Rosenblum, Eric
- Economics of water recycling (Northern California) — 10(5):75-78

Ross, Stephanie L.
- Miami-Dade combines SSO technologies with computer modeling — 10(2):40-44

Rushbrook Jr., Edward L.
- Recirculating sand filters evaluated (Jaffrey, N.H.) — 10 (1):35, 39-40

S

Sahu, Gopal
Tunneling project minimizes safety risk (Fort Worth, Texas)— 10(6):53-56

Sajjad, Ash
Brownfields cleanup — 10(5):51-53

Sampling
Diurnal sampling provides needed information (Las Vegas, Nev.) — 10(4):47-50

San Francisco, Calif.
Oceanside plant overcomes grit overload — 10(11):55-58

Sanitary sewer overflows
Tunneling project minimizes safety risk (Fort Worth, Texas)— 10(6):53-56

Sawyer, Bernard
Cyanide standards are site specific (Chicago, Ill.) — 10(6):57-60

Schlater, Nelson
Customized collection system software capabilities and costs — 10(12):51–56

Schroedel Jr., Ralph B.
Communities form partnership to solve watershed problems — 10(2):55-57

Sediment
Cooperative remediation underway (Thunder Bay Harbor) — 10(2):18-20
Limits of dredging in sediment removal — 10(6):61-66
Management strategy finalized — 10(7):6
Quality in waterbodies — 10(4):8

Shamsi, Uzair M.
Combined sewer overflow control policy and small flows — 10(3):41-46

Sheikh, Bahman
Economics of water recycling (Northern California) — 10(5):75-78

Sherman, Roger
Communities form partnership to solve watershed problems — 10(2):55-57

Simmons, Paul S.
Intervening in lawsuits — 10(8):104

Small flows
Combined sewer overflow control policy — 10(3):41-46
CSO requirements — 10(3):45

Standards
Effluent limits for hazardous waste combustors — 10(5):8
EPA disapproves Kansas water quality standards — 10(9):30–32
Safe Drinking Water and Clean Water acts conflict — 10(6):88

Stewart, R.E.
Measuring metals — 10(8):65-70

Stormwater
Award-winning runoff controls — 10(6):32-34
Florida county tests pollution control device on stormwater debris — 10(1):53
German stormwater system may apply — 10(1):41-43
Permit's mine drainage provisions clarified — 10(11):14
Plans to expand permits — 10(3):6
Revised permits for construction — 10(5):8

Strum, Marie T.
Site-specific data reduces regulatory burden — 10(7):63-65

Sulfides
Dissolved sulfide limits — 10(1):54

Superfund (CERCLA)
Agency corrects procedural errors for damage assessment — 10(1):6
Cleanup accelerating — 10(5):10
Co-disposal sites policy — 10(8):8
Formula for liability — 10(5):8
Site to become golf course — 10(1):8

T

Technology
Bacterial activity measurement of groundwater wells — 10(9):70–72
Biological permeable barriers for groundwater cleanup — 10(9):66–68
Center offers research for technology transfer — 10(11):28–30
Channel bends remove grit — 10(8):43-44
Electromagnetic offset logging — 10(8):38
Evaluating bioremediation — 10(9):68
Foam reactor removes airborne VOCs — 10(10):16
German stormwater system may apply — 10(1):41-43
Hydrogen sulfide scrubber — 10(8):44-45
In situ co-solvent flushing (Hill Air Force Base, Utah) — 10(1):48
Pollution control device for stormwater debris (Florida) — 10(1):53
Pretreatment system improves operations — 10(1):53
Pump impeller — 10(8):86
Reactor–clarifiers and ballasted flocculation — 10(9):42–46
Risk slows use of technologies — 10(5):20-22
Screw centrifugal pump — 10(9):62–64
"Smart" water a top breakthrough — 10(7):31-32
Soil measurement with microelectrodes — 10(8):40
Solids-to-oil process — 10(3):22-24
Solvated electron process destroys PCBs — 10(3):26-30
Sonar for sewer inspections — 10(9):64
Sponge removes BOD, nitrogen — 10(7):32-34
Storm drainage inlet devices — 10(8):42
Testing center opens (Richland, Wash.)— 10(6):16
Wastewater byproduct generates electricity — 10(1):16-20
Weevils control invasive weed — 10(4):12
Zero-maintenance gas sponge — 10(1):53

Temperature
pH temperature corrections — 10(1):54

Testing
New measuring system may ease monitoring — 10(1):32

Thorne, Melissa
Innovative and alternative grants program — 10(4):64

TMDLs (total maximum daily loads)
Costs, nonpoint sources are top TMDL concerns — 10(2):36-39
Deadline agreement (Washington) — 10(4):23-27
Dry season limits proposed (Washington) — 10(4):22-23
EPA assures group of TMDLs for Neuse River Basin — 10(10):8
New process developing — 10(2):88

Toxic waste
Benign replacement for solvents — 10(8):86
Cyanide standards are site specific (Chicago, Ill.) — 10(6):57-60
Industrial releases down — 10(9):15
Industrial wastewater tanks pose inhalation risk — 10(8):8
Measuring metals — 10(8):65-70
TRI needs more data — 10(2):22-26
Unreasonable limits for heavy metals — 10(9):12

Training
Information centers open (Texas, Arkansas) — 10(4):12

U

Urban, Robert A.
New ammonia limits; recirculating sand filters evaluated (Jaffrey, N.H.) — 10 (1):35, 39-40

U.S. Environmental Protection Agency
$140 billion needed to meet wastewater needs — 10(2):14–18
1998 Congress unlikely to act — 10(1):11-13
Assessment of water quality by watershed — 10(1):26-28
EPA unveils strategy — 10(1):13-16
New assistant administrator for water named — 10(9):15
Project XL projects launched — 10(11):14

V

Vivona, M.A.
Freeport, Texas, saves 75% using used equipment — 10(3):55–58

Vlahos, George
Cured-in-place-pipe inversions (Chicago, Ill.) — 10(4):45-46
Volpe, Gary J.
Comparing digester designs — 10(5):59-65

W
Walch, Mark P.
Miami-Dade combines SSO technologies with computer modeling — 10(2):40-44
Walker, Donald E.
Underflow baffles for floatables control — 10(2):45-48
Washington Suburban Sanitary Commission
Evaluating high-speed centrifuges — 10(10):32–38
Wastewater treatment
In freezing temperatures — 10(8):50-53
Pretreatment system improves wastewater operations — 10(1):53
Recirculating sand filters evaluated (Jaffrey, N.H.) — 10 (1):35, 39-40
Shallow pipe burial and insulation for cold weather — 10(8):55-57
Zero-maintenance gas sponge — 10(1):53
Water
Air pollutants — 10(2):26-28
Water Environment Federation
Operations Challenge gears up — 10(9):82–88
President's message — 10(10):6
WEF 1998 award winners — 10(10):58–62
WEFTEC for Families — 10(8):48–49
WEFTEC'98 "hot" sessions — 10(9):61
WEFTEC'98 workshop preview — 10(8):37–38
WEFTEC'98 wrap-up Latin America infrastructure projects — 10(12):43
WEFTEC'98 wrap-up Operations Challenge winners — 10(12):40–41
WEFTEC'98 wrap-up overview — 10(12):37–38
WEFTEC'98 wrap-up TMDL status update — 10(12):38
WEFTEC'98 wrap-up WEFTEC for Families — 10(12):44–45
Water pollution
First interstate control authority reviews progress — 10(2):28-33
Nutrients plague Neuse, Tar–Pamlico rivers — 10(7):8
Ocean protection — 10(9):15
Water quality
Alternative indicators of disease risks — 10(11):10
American Heritage Rivers — 10(9):23
Clean Water Action Plan goals and resources — 10(5):37-42
Drugs in water conveyed through effluent discharges — 10(7):17-22
Endocrine disruptor screening and testing program — 10(9):15
Endocrine disruptors effect on fish — 10(7):22-23
EPA maps out priorities — 10(11):14
EPA seeks comments on possible standards — 10(10):26
EPA–WEF forum gathers stakeholders — 10(10):28-31
Groups respond to Clean Water Action Plan — 10(4):15-16
Scarcity, pollution pressing problems — 10(12):32-33
State fish advisories up due to better reporting — 10(10):8
USGS notes land-use practice effects — 10(11):20–22
Waterbodies unusable — 10(8):8
Water reclamation and reuse
Economics of water recycling (Northern California) — 10(5):75-78
Gaining popularity — 10(5):67-72
Indirect reuse viable — 10(6):21-24
Orlando, Fla., conducts reuse, reclaim, and recharge operations — 10(9):57–59
Successful project (Orange County Water District)— 10(6):22-23
Watershed
$2.3 billion earmarked for watershed problems — 10(4):15-16
Assessment of water quality by watershed — 10(1):26-28
Building support and trust — 10(7):26-27
Coastal management (New Jersey) — 10(7):57-61
Commission proposes board to study watersheds — 10(1):6
Communities form partnership to solve watershed problems — 10(2):55-57
Implementing changes for improvement — 10(7):24-25
Indicators table — 10(1):27
Regulations frustrate progress — 10(4):6
Wetlands
Case could set precedent — 10(4):18
Conservation grants (Great Lakes) — 10(6):12-13
Determining the potential for permitting a project that may affect wetlands — 10(9):109-112
GAO questions wetlands data — 10(12):6
HUD defines wetlands using inventory maps — 10(11):36–38
Mitigation banking — 10(4):8
Nationwide Permit 26 — 10(2):11
Stakeholders comment on court decision on Tulloch Rule — 10(9):29
Treatment with wetlands (Jackson County, Miss.) — 10 (1): 34-38
U.S. Army Corps of Engineers proposes alternative permits — 10(9):29
Wetlands of International Importance — 10(8):16
Wet Weather
Emergency pipe bypass and pump station (Seattle, Wash.) — 10(4):34-39
Lightning and underwater instruments — 10(4):42-44
Phase 2 rules — 10(5):28-32
Reactor–clarifiers and ballasted flocculation — 10(9):42–46
Sandbags and bypass pumping (Watertown, S.D.) — 10(4):40-41
Underflow baffles for floatables control — 10(2):45-48
Urban wet weather controls to be revised — 10(2):11
White, Kathryn V.
Outreach tools support combined sewer overflow water quality assessment — 10(9):103-107
White, Kevin D.
Treatment with wetlands (Jackson County, Miss.) — 10 (1): 34-38
Whittemore, Ray C.
The BASINS model — 10(12):57-61
Whole effluent toxicity
Bioassay test is more reliable — 10(10):67
EPA agrees to address analytic variability — 10(10):8
Settlement gives EPA 3 years to make changes — 10(10):80
Testing program not uniformly implemented — 10(10):18-19
Wisconsin
ISO 14001: pilot project tests management systems — 10(1):29-32
Witherspoon, Jay
Study examines modified control equipment — 10(3):47-52
Witzgall, Robert A.
Comparing digester designs — 10(5):59-65

Y
Yonker, Steve
Block and Hong process (Branson, Mo.) — 10(9):97–101

Z
Zenz, David R.
Cyanide standards are site specific (Chicago, Ill.) — 10(6):57-60
Zirschky, John
Army Corps of Engineers' record on environmental restoration and public perception — 10(6):11